

## DOL starter, 3p, 0.55kW/400V/AC3, 100kA

Part no. MSC-D-1,6-M7(24V50HZ)
Article no. 115941
Catalog No. XTSC1P6B007BUNL



**Design verification as per IEC/EN 61439** 

Design verification as per IEC/EN 61439			
Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	1.6
Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	1.9
Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	5.7
Static heat dissipation, non-current-dependent	P <sub>vs</sub>	W	1.4
Heat dissipation capacity	P <sub>diss</sub>	W	0
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures			Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat			Meets the product standard's requirements.
$10.2.3.3\ Verification\ of\ resistance\ of\ insulating\ materials\ to\ abnormal\ heat\ and\ fire\ due\ to\ internal\ electric\ effects$			Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation			Meets the product standard's requirements.
10.2.5 Lifting			Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact			Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions			Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES			Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances			Meets the product standard's requirements.
10.5 Protection against electric shock			Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components			Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections			Is the panel builder's responsibility.
10.8 Connections for external conductors			Is the panel builder's responsibility.
10.9 Insulation properties			
10.9.2 Power-frequency electric strength			Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage			Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material			Is the panel builder's responsibility.
10.10 Temperature rise			The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating			Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 Electromagnetic compatibility			Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 Mechanical function			The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

## **Technical data ETIM 6.0**

Low-voltage industrial components (EG000017) / Motor starter/Motor starter combination (EC001037)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Load breakout, motor breakout / Motor starter combination (ecl@ss8.1-27-37-09-05 [AJZ718010])

[AJZ718010])		
Kind of motor starter		Direct starter
With short-circuit release		Yes
Rated control supply voltage Us at AC 50HZ	V	24 - 24
Rated control supply voltage Us at AC 60HZ	V	0 - 0
Rated control supply voltage Us at DC	V	0 - 0

Vallage Profit or actuating   Reflect speration power at ACA 2, 200 V 3 chases   W0 05			
Rated operation power at AC-3, 400 V	Voltage type for actuating		AC
Rated power, 760 V, 80 Mz, 3-phase	Rated operation power at AC-3, 230 V, 3-phase	kW	0.25
Rated power, 57 b V, 60 Hz, 2 - phase	Rated operation power at AC-3, 400 V	kW	0.55
Rated operation current is ACS, 400 V         A         1.5           Need operation current a exting         A         1.6           Rated conditional short-circuit current, type 1, 480 V277 V         A         0           Rated conditional short-circuit current, type 1, 480 V277 V         A         0           Rated conditional short-circuit current, type 2,280 V         A         0           Rated conditional short-circuit current, type 2,780 V         A         0           Rated conditional short-circuit current, type 2,780 V         A         0           Number of auxiliary contacts as normally open contact         A         0           Number of auxiliary contacts as normally closed contact         B         0           Auxiliary contacts as normally closed contact         C         0           Temperature compensated overload pratection         B         0         0           Temperature compensated overload pratection         C         0         0           Temperature control of main circuit         C         0         0           Type of electrical connection of reasoning remain circuit         C         0         0           Type of electrical connection of remain circuit         C         0         0           Supporting protocol for EVPIP         No         0	Rated power, 460 V, 60 Hz, 3-phase	kW	0
Rated operation current at AC-3,400 V         A         1.6           Overload release current setting         A         1.16           Rated conditional short-circuit current, type 1,480 Y/27 V         A         0           Rated conditional short-circuit current, type 2,400 V         A         5000           Rated conditional short-circuit current, type 2,400 V         A         5000           Number of availilary contacts as normally open contact         C         10           Number of availilary contacts as normally open contact         C         0           Antibient temperature, upper operating limit         C         0           Tamporature componsated worklood protection         C         10AS 10           Relates calcass         C         10AS 10           Type of electrical connection of main circuit         Yes         10AS 10           Type of electrical connection for availlary- and control current circuit         Yes         10A           Supporting protocol for TPD/P         Yes         10A           Supporting protocol for TPD/P         No         No           Supporting protocol for ABN         No         No           Supporting protocol for ABN         No         No           Supporting protocol for Deb-leftex         Yes         No	Rated power, 575 V, 60 Hz, 3-phase	kW	0
Overload release current setting         A         1-16           Rated conditional short-circuit current. Lype 1,480 Y277 Y         A         A           Rated conditional short-circuit current. Lype 2,280 Y         A         5000           Rated conditional short-circuit current. Lype 2,240 Y         A         5000           Number of auxiliary contacts as normally open cented         B         1           Number of auxiliary contacts as normally open cented         C         6           Anhibit temperature, supper operating limit         C         6           Temperature compensated overload protection         C         6           Release class         C         7         6           Type of electrical connection of main circuit         C         6         6           Yepe of electrical connection for auxiliary and control current circuit         C         7         6           Release class         S         7         7         7           Supperting protection for parallely         C         9         8           Serve connection         C         7         9         9           Supperting protection for EXPIP         N         N         9           Supperting protection for EXPIP         N         N         N	Rated operation current le	Α	1.5
Rated conditional short-circuit current, ype 1,480 y/377 y         A         0           Rated conditional short-circuit current, ype 1,680 y/379 y         A         0000           Rated conditional short-circuit current, ype 2,480 y         A         5000           Number of auxiliary contacts as normally open contact         B         1           Number of auxiliary contacts as normally closed contact         C         6           Ambient temperature, upper operating firm         C         6           Temperature compensated overload protection         Yes         CLSS 10           Release class         Case 3         CLSS 10           Temperature compensated overload protection         Yes         CLSS 10           Release class         Case 3         CLSS 10           Release class         Crew connection         Yes           Release class         Crew connection         Class 10           Release class         Crew connection         Yes           Release class         Crew connection         Class 10           Report of protection (IP)         Yes         Yes           Supporting protected for TCPIP         No         No           Supporting protected for CAN         Yes         No           Supporting protected for MODBUS         Yes	Rated operation current at AC-3, 400 V	Α	1.6
Rated conditional short-circuit current, type 2,200 Y         A         5000           Rated conditional short-circuit current, type 2,200 Y         A         5000           Number of auxiliary cortacts as normally closed contact         P         1           Number of auxiliary cortacts as normally closed contact         C         6           Anishest tamperature, upper operating limit         C         7         6           Temperature compensated overload protection         C         7         CASS 10           Type of electrical connection of main circuit         C         CASS 10           Type of electrical connection for auxiliary and control current circuit         S         C         CASS 10           Supporting protection (IP)         Yes         Screw connection         Screw connection           Supporting protection for PRP         Yes         No           Supporting protection for PRPR         Yes         No           Supporting protection for NDBUS         No         No           Supporting protection for AN         No         No           Supporting protection for Data-Highway         No         No           Supporting protection for Data-Highway         No         No           Supporting protection for Data-Highway         No         No <td< td=""><td>Overload release current setting</td><td>Α</td><td>1 - 1.6</td></td<>	Overload release current setting	Α	1 - 1.6
Rated conditional short-circuit current, type 2, 200 V         A         3000           Rated conditional short-circuit current, type 2, 400 V         A         9000           Number of auxiliary contacts as normally open contact         C         0           Ambient change a survive compensated overload protection         C         0           Release class         C         CASS (CASS)           Type of electrical connection of main circuit         Serve connection           Type of electrical connection for auxiliary- and control current circuit         Serve connection           Rail mounting possible         Serve connection           Degree of protection IPP         Serve connection           Supporting protecol for TPPIP         No           Supporting protecol for PROPRIBUS         No           Supporting protecol for TPPIP         No           Supporting protecol for MOBBUS         No           Supporting protecol for PROFINETICA         No	Rated conditional short-circuit current, type 1, 480 Y/277 V	Α	0
Rate de conditional short-circuit current, ype 2,400 V         A         80000           Number of auxiliary contacts as normally open contact         1         1           Number of auxiliary contacts as normally closed contact         0         CO           Arnhient temperature, upper operating limit         0         CO           Temperature compensated overoad protection         0         CO           Release class         0         CASS 10           Type of electrical connection of main circuit         0         CO           Type of electrical connection for auxiliary and control current circuit         0         Corew connection           Bug and protection (PP)         10         Corew connection           Supporting protection (TPP/IP         Post         No           Supporting protection (PP)         10         No           Supporting protection (PROFIBIUS         0         No           Supporting protection for NUTERIAL         0         No           Supporting protection for MOBBUS         0         No           Supporting protection for DeviceNex         0         No           Supporting protection for DeviceNex         0         No           Supporting protection for DeviceNex         0         No           Supporting protection for DeviceNe	Rated conditional short-circuit current, type 1, 600 Y/347 V	Α	0
Number of auxiliary contacts as normally closed contact         1           Number of auxiliary contacts as normally closed contact         0           Ambient temperature, upper operating limit         °C         0           Temperature compensated overload protection         C         0           Release class         CLASS 10           Type of electrical connection of main circuit         Screw connection           Type of electrical connection for auxiliary- and control current circuit         Screw connection           Rail mounting possible         Yes         No           Supporting protect for TCP/IP         No         No           Supporting protect for TCP/IP         No         No           Supporting protect for PROFIBUS         No         No           Supporting protect for FROFIBUS         No         No           Supporting protect for FROFIBUS         No         No           Supporting protect for MODBUS         No         No           Supporting protect for PROFIBUS         No         No           Supporting protect for DeviceNet         No         No           Supporting protect for DeviceNet         No         No           Supporting protect for PROFINET (BA         No         No           Supporting protect for FROFINET (BA         <	Rated conditional short-circuit current, type 2, 230 V	А	50000
Number of auxiliary contacts as normally closed contact         "C         60           Ambient temperature, upper operating limit         "C         60           Temperature compensated overload protection         "C         70           Release class         CLASS 10           Type of electrical connection of main circuit         Screw connection           Type of electrical connection for auxiliary- and control current circuit         Wanne           Rail mounting possible         Yes           Degree of protection (IP)         No           Supporting protect for TCP/IP         No           Supporting protect for FCP/IP         No           Supporting protect for AN         No           Supporting protect for AN         No           Supporting protect for AN         No           Supporting protect for MITERBUS         No           Supporting protect for MITERBUS         No           Supporting protect for DeviceMax         No           Supporting protect for Mountain Fightway         No           Supporting protect for BeviceMax         No           Supporting protect for DeviceMax         No           Supporting protect for PROFINET IO         No           Supporting protect for FREFORE         No           Supporting protect for FREFORE	Rated conditional short-circuit current, type 2, 400 V	Α	50000
Ambient temperature, upper operating limit         °C         60           Temperature compensated overload protection         4         Yes           Release class         CLASS 10         CLASS 10           Type of electrical connection of main circuit         5         CEVEX 00           Type of electrical connection for auxiliary- and control current circuit         6         5           Ball amounting possible         7         Pes           Degree of protection (IP)         8         IP20           Supporting protector (IP)         No         No           Supporting protector (IP)         No         No           Supporting protector for PROFIBUS         No         No           Supporting protector for CAN         No         No           Supporting protector of In MIDBUS         No         No           Supporting protector for MOBUS         No         No           Supporting protector for Data-Highway         No         No           Supporting protector for SUCONET         No         No           Supporting protector for SUCONET         No         No           Supporting protector for PROFINET IC         No         No           Supporting protector for PROFINET CBA         No         No           Supporting	Number of auxiliary contacts as normally open contact		1
Tamper atture compensated overload protection         Yes           Release class         CLASS 10           Type of electrical connection of main circuit         Screw connection           Type of electrical connection for auxiliary- and control current circuit         Screw connection           Bail mounting possible         P20           Degree of protection (IP)         P20           Supporting protect for TCP/IP         No           Supporting protect of TCPAR         No           Supporting protect of CAN         No           Supporting protect of the TREBUS         No           Supporting protect of or MDBUS         No           Supporting protect of or Data-Highway         No           Supporting protect of to Data-Highway         No           Supporting protect of to SUCONET         No           Supporting protect of to SUCONET         No           Supporting protect of or PROFINET IO         No           Supporting protect of to PROFINET ECA         No           Supporting protect of or PROFINET ECA         No           Supporting protect of for PROFINET ECA         No           Supporting protect of for Fondither Eca         No           Supporting protect of for Fondither Eca         No           Supporting protect of for As-Interface Safety at Work	Number of auxiliary contacts as normally closed contact		0
Release class Type of electrical connection of main circuit Type of electrical connection for auxiliary- and control current circuit Rail mounting possible Degree of protection (IP) Supporting protocol for TCP/IP Supporting protocol for PROFIBUS Supporting protocol for CAN Supporting protocol for CAN Supporting protocol for INTERBUS Supporting protocol for INTERBUS Supporting protocol for Data-Highway Supporting protocol for Data-Highway Supporting protocol for Data-Highway Supporting protocol for PROFINET IO Supporting protocol for Data-Highway Supporting protocol for Data-Highway Supporting protocol for PROFINET IO Supporting protocol for PROFINET CBA Supporting protocol for FROFINET CBA Supporting protocol for FROFINET CBA Supporting protocol for FROFINET CBA Supporting protocol for Fenulation Fieldbus Supporting protocol for EtherNet/IP Supporting protocol for DaviceNet Safety at Work Supporting protocol for PROFISafe	Ambient temperature, , upper operating limit	°C	60
Type of electrical connection of main circuit  Type of electrical connection for auxiliary- and control current circuit  Rail mounting possible  Degree of protection (IP)  Supporting protocol for CP/IP  Supporting protocol for CP/IP  Supporting protocol for CAN  Supporting protocol for (INTERBUS  Supporting protocol for (INTERBUS  Supporting protocol for MODBUS  Supporting protocol for MODBUS  Supporting protocol for DeviceNet  Supporting protocol for DeviceNet  Supporting protocol for DeviceNet  Supporting protocol for Success  Supporting protocol for Success  Supporting protocol for Success  Supporting protocol for PROFINET IO  Supporting protocol for PROFINET IO  Supporting protocol for PROFINET IO  Supporting protocol for Success  Supporting protocol for Foundation Fieldbus  Supporting protocol for Foundation Fieldbus  Supporting protocol for Success  Supporting protocol for Foundation Fieldbus  Supporting protocol for Foundation Fieldbus  Supporting protocol for Success  Supporting protocol for Success  Supporting protocol for Success  Supporting protocol for Success  Supporting protocol for Foundation Fieldbus  Supporting protocol for Success  Success  Success  Supporting protocol for Success  Su	Temperature compensated overload protection		Yes
Type of electrical connection for auxiliary- and control current circuit  Rail mounting possible  Degree of protection (IP)  Supporting protocol for TCP/IP  Supporting protocol for PROFIBUS  Supporting protocol for PROFIBUS  Supporting protocol for NTREBUS  Supporting protocol for INTERBUS  Supporting protocol for MADBUS  Supporting protocol for MADBUS  Supporting protocol for MADBUS  Supporting protocol for Data-Highway  Supporting protocol for Data-Highway  Supporting protocol for Success  Supporting protocol for Success  Supporting protocol for Success  Supporting protocol for PROFINET IO  Supporting protocol for PROFINET IO  Supporting protocol for SERCOS  Supporting protocol for Eternevirle  Supporting protocol for Foliating in Elebbus  Suppor	Release class		CLASS 10
Rail mounting possible  Degree of protection (IP)  Supporting protocol for TCP/IP  Supporting protocol for PROFIBUS  No  Supporting protocol for CAN  Supporting protocol for GAN  Supporting protocol for MITERBUS  Supporting protocol for MITERBUS  Supporting protocol for MOBUS  Supporting protocol for MOBUS  Supporting protocol for Deta-Highway  No  Supporting protocol for Deta-Highway  Supporting protocol for SUCONET  Supporting protocol for SUCONET  Supporting protocol for PROFINET IO  Supporting protocol for PROFINET IO  Supporting protocol for PROFINET IO  Supporting protocol for FROFINET GAN  Supporting protocol for Sundation Fieldbus  Supporting protocol for Excusion Supporting protocol for Sundation Fieldbus  Supporting protocol for Saleryat Work  Supporting protocol for PROFINET GAN  Supporting protocol for PROFINET GAN  Supporting protocol for Saleryat Work  Supporting protocol for Saleryat Work  Supporting protocol for Saleryat Work  Supporting protocol for FROFINET GAN  Supporting protocol for Saleryat Work  No  Supporting protocol for Saleryat Work  No  Supporting protocol for PROFISafe	Type of electrical connection of main circuit		Screw connection
Degree of protection (IP) Supporting protocol for TCP/IP Supporting protocol for PROFIBUS No Supporting protocol for PROFIBUS No Supporting protocol for CAN Supporting protocol for INTERBUS Supporting protocol for INTERBUS Supporting protocol for MODBUS Supporting protocol for MODBUS Supporting protocol for Bobal Supporting protocol for Data-Highway No Supporting protocol for SuCONET No Supporting protocol for SUCONET No Supporting protocol for PROFINET IO Supporting protocol for PROFINET IO Supporting protocol for PROFINET GBA Supporting protocol for SERCOS No Supporting protocol for SERCOS No Supporting protocol for Sercos Supporting protocol for Sercos Supporting protocol for EtherNet/IP No Supporting protocol for DeviceNet Safety No Supporting protocol for DeviceNet Safety No Supporting protocol for PROFISafe No Supporting protocol for SefetyBUS p No	Type of electrical connection for auxiliary- and control current circuit		Screw connection
Supporting protocol for TCP/IP  Supporting protocol for PROFIBUS  Supporting protocol for CAN  Supporting protocol for INTERBUS  Supporting protocol for INTERBUS  Supporting protocol for MODBUS  Supporting protocol for Data-Highway  Supporting protocol for DeviceNet  Supporting protocol for SUCONET  Supporting protocol for SUCONET  Supporting protocol for PROFINET IO  Supporting protocol for PROFINET CBA  Supporting protocol for PROFINET CBA  Supporting protocol for SerCOS	Rail mounting possible		Yes
Supporting protocol for PROFIBUS  Supporting protocol for CAN  Supporting protocol for INTERBUS  Supporting protocol for INTERBUS  Supporting protocol for MODBUS  Supporting protocol for Data-Highway  Supporting protocol for DeviceNet  Supporting protocol for DeviceNet  Supporting protocol for SUCONET  Supporting protocol for PROFINET IO  Supporting protocol for PROFINET IO  Supporting protocol for PROFINET CBA  Supporting protocol for SERCOS  Supporting protocol for Foundation Fieldbus  Supporting protocol for SerCos  Supporting protoc	Degree of protection (IP)		IP20
Supporting protocol for CAN Supporting protocol for INTERBUS Supporting protocol for ASI Supporting protocol for MODBUS Supporting protocol for MODBUS Supporting protocol for Data-Highway Supporting protocol for DeviceNet Supporting protocol for SUCONET Supporting protocol for SUCONET Supporting protocol for SUCONET Supporting protocol for PROFINET IO Supporting protocol for PROFINET CBA Supporting protocol for Fundation Fieldbus Supporting protocol for Serecos Supporting protocol for Serecos Supporting protocol for Serecos Supporting protocol for DeviceNet Interface Safety at Work Supporting protocol for DeviceNet Safety Supporting protocol for ROFIRERUS-Safety Supporting protocol for SafetyBUS p	Supporting protocol for TCP/IP		No
Supporting protocol for INTERBUS Supporting protocol for ASI Supporting protocol for MODBUS Supporting protocol for Data-Highway Supporting protocol for DeviceNet Supporting protocol for DeviceNet Supporting protocol for SUCONET Supporting protocol for SUCONET Supporting protocol for PROFINET IO Supporting protocol for PROFINET CBA Supporting protocol for PROFINET CBA Supporting protocol for Fundation Fieldbus Supporting protocol for EtherNet/IP Supporting protocol for EtherNet/IP Supporting protocol for DeviceNet Safety at Work Supporting protocol for PROFISE Supporting protocol for Brotocol for PROFISE Supporting protocol for PROFISE Supporting protocol for Brotocol for Safety Supporting protocol for PROFISE Supporting protocol for Brotocol for PROFISE Supporting protocol for DeviceNet Safety Supporting protocol for INTERBUS-Safety Supporting protocol for PROFISE Supporting protocol for PROFISE Supporting protocol for SafetyBUS p No	Supporting protocol for PROFIBUS		No
Supporting protocol for ASI  Supporting protocol for MODBUS  Supporting protocol for Data-Highway  No  Supporting protocol for DeviceNet  Supporting protocol for SUCONET  Supporting protocol for LON  Supporting protocol for PROFINET IO  Supporting protocol for PROFINET CBA  Supporting protocol for SECOS  Supporting protocol for Foundation Fieldbus  Supporting protocol for Foundation Fieldbus  Supporting protocol for EtherNet/IP  Supporting protocol for AS-Interface Safety at Work  Supporting protocol for DeviceNet Safety  Supporting protocol for INTERBUS-Safety  Supporting protocol for RROFISAFE  Supporting protocol for SafetyBUS p  No  Supporting protocol for SafetyBUS p  No	Supporting protocol for CAN		No
Supporting protocol for Data-Highway  Supporting protocol for Data-Highway  Supporting protocol for DeviceNet  Supporting protocol for SUCONET  Supporting protocol for LON  Supporting protocol for PROFINET IO  Supporting protocol for PROFINET CBA  Supporting protocol for SERCOS  Supporting protocol for Foundation Fieldbus  Supporting protocol for Foundation Fieldbus  Supporting protocol for EtherNet/IP  Supporting protocol for AS-Interface Safety at Work  Supporting protocol for DeviceNet Safety  Supporting protocol for INTERBUS-Safety  Supporting protocol for RROFISafe  Supporting protocol for SafetyBUS p  No  Supporting protocol for SafetyBUS p	Supporting protocol for INTERBUS		No
Supporting protocol for DeviceNet  Supporting protocol for DeviceNet  Supporting protocol for SUCONET  No  Supporting protocol for LON  Supporting protocol for PROFINET IO  Supporting protocol for PROFINET CBA  Supporting protocol for SERCOS  Supporting protocol for Foundation Fieldbus  Supporting protocol for Foundation Fieldbus  Supporting protocol for EtherNet/IP  Supporting protocol for AS-Interface Safety at Work  Supporting protocol for DeviceNet Safety  Supporting protocol for INTERBUS-Safety  No  Supporting protocol for PROFISafe  Supporting protocol for PROFIsafe  No  Supporting protocol for SafetyBUS p  No	Supporting protocol for ASI		No
Supporting protocol for DeviceNet Supporting protocol for SUCONET No Supporting protocol for SUCONET No Supporting protocol for LON Supporting protocol for PROFINET IO No Supporting protocol for PROFINET CBA No Supporting protocol for SERCOS No Supporting protocol for Foundation Fieldbus No Supporting protocol for EtherNet/IP No Supporting protocol for AS-Interface Safety at Work No Supporting protocol for DeviceNet Safety No Supporting protocol for INTERBUS-Safety No Supporting protocol for PROFIsafe No Supporting protocol for PROFIsafe No Supporting protocol for SafetyBUS p No	Supporting protocol for MODBUS		No
Supporting protocol for SUCONET  Supporting protocol for LON  Supporting protocol for PROFINET IO  Supporting protocol for PROFINET CBA  Supporting protocol for SERCOS  Supporting protocol for Foundation Fieldbus  Supporting protocol for EtherNet/IP  Supporting protocol for AS-Interface Safety at Work  Supporting protocol for DeviceNet Safety  Supporting protocol for INTERBUS-Safety  Supporting protocol for PROFIsafe  Supporting protocol for PROFIsafe  No  Supporting protocol for SafetyBUS p  No	Supporting protocol for Data-Highway		No
Supporting protocol for LON Supporting protocol for PROFINET IO No Supporting protocol for PROFINET CBA No Supporting protocol for SERCOS No Supporting protocol for Foundation Fieldbus No Supporting protocol for EtherNet/IP No Supporting protocol for AS-Interface Safety at Work Supporting protocol for DeviceNet Safety No Supporting protocol for INTERBUS-Safety No Supporting protocol for PROFIsafe No Supporting protocol for SafetyBUS p No	Supporting protocol for DeviceNet		No
Supporting protocol for PROFINET IO  Supporting protocol for PROFINET CBA  No  Supporting protocol for SERCOS  No  Supporting protocol for Foundation Fieldbus  No  Supporting protocol for Foundation Fieldbus  No  Supporting protocol for EtherNet/IP  No  Supporting protocol for AS-Interface Safety at Work  No  Supporting protocol for DeviceNet Safety  No  Supporting protocol for INTERBUS-Safety  No  Supporting protocol for PROFIsafe  No  Supporting protocol for SafetyBUS p  No	Supporting protocol for SUCONET		No
Supporting protocol for PROFINET CBA  Supporting protocol for SERCOS  No Supporting protocol for Foundation Fieldbus  No Supporting protocol for EtherNet/IP  No Supporting protocol for AS-Interface Safety at Work  Supporting protocol for DeviceNet Safety  No Supporting protocol for INTERBUS-Safety  No Supporting protocol for PROFIsafe  No Supporting protocol for SafetyBUS p  No	Supporting protocol for LON		No
Supporting protocol for SERCOS  Supporting protocol for Foundation Fieldbus  No Supporting protocol for EtherNet/IP  No Supporting protocol for AS-Interface Safety at Work  Supporting protocol for DeviceNet Safety  No Supporting protocol for INTERBUS-Safety  No Supporting protocol for PROFIsafe  No Supporting protocol for SafetyBUS p  No	Supporting protocol for PROFINET IO		No
Supporting protocol for Foundation Fieldbus  No Supporting protocol for EtherNet/IP  No Supporting protocol for AS-Interface Safety at Work  Supporting protocol for DeviceNet Safety  No Supporting protocol for INTERBUS-Safety  No Supporting protocol for PROFIsafe  No Supporting protocol for SafetyBUS p  No	Supporting protocol for PROFINET CBA		No
Supporting protocol for EtherNet/IP  Supporting protocol for AS-Interface Safety at Work  No Supporting protocol for DeviceNet Safety  No Supporting protocol for INTERBUS-Safety  No Supporting protocol for PROFIsafe  No Supporting protocol for SafetyBUS p  No	Supporting protocol for SERCOS		No
Supporting protocol for AS-Interface Safety at Work  Supporting protocol for DeviceNet Safety  No Supporting protocol for INTERBUS-Safety  No Supporting protocol for PROFIsafe  No Supporting protocol for SafetyBUS p  No	Supporting protocol for Foundation Fieldbus		No
Supporting protocol for DeviceNet Safety  No Supporting protocol for INTERBUS-Safety  No Supporting protocol for PROFIsafe  No Supporting protocol for SafetyBUS p  No	Supporting protocol for EtherNet/IP		No
Supporting protocol for INTERBUS-Safety  No Supporting protocol for PROFIsafe  No Supporting protocol for SafetyBUS p  No	Supporting protocol for AS-Interface Safety at Work		No
Supporting protocol for PROFIsafe No Supporting protocol for SafetyBUS p No	Supporting protocol for DeviceNet Safety		No
Supporting protocol for SafetyBUS p No	Supporting protocol for INTERBUS-Safety		No
	Supporting protocol for PROFIsafe		No
Supporting protocol for other bus systems No	Supporting protocol for SafetyBUS p		No
	Supporting protocol for other bus systems		No